

Amendment to the Specification

Please replace the paragraph beginning at page 7, line 10 of the present application with the following paragraph:

Utilising solar energy, it is anticipated that the photovoltaic array 306 could generate 1.2 kW per day which would supply the electric motor 303 to drive a propeller 307, delivering a vehicle average speed of 2-3 knots. The electric motor 303 could be overrated for short periods to give 20 knot+ sprint speed in short bursts. The battery bank 305, the fuel cell 304 and a rapid discharge device 314 (such as a capacitor bank or fluid accumulator (not shown)) can provide auxiliary/standby power as required. Such use includes emergency emptying ballast tanks 313 to surface the vehicle after a prolonged period of submerged operation. A rudder 309 and elevator 310 combination is provided to assist in guiding the vehicle under control of a guidance system.

Please replace the paragraph beginning at page 7, line 20 of the present application with the following paragraph:

The UOV is arranged to operate in a semi-submerged position relative to 20 the waterline 311 as depicted in the drawings, with the wing sail 308 erected above the waterline to collect ~~collecter~~ ambient solar energy and propel the vehicle. The UOV 300 further includes a guidance system 315 having a GPS receiver remote with automatic sequencing, and tracking storage. Sensors for atmospheric data, for intercepting radio frequency emissions, and other sensors are integrated into 25 the wing sail assembly, whilst a sonar 320 and other oceanographic sensors 321 are integrated into the hull 301 or keel 312.

Please replace the paragraph beginning at page 8, line 7 of the present application with the following paragraph:

It is estimated that the payload, which includes equipments similar to those in the first embodiment, would require power of about 1 to 2 kW. A wind-solar hybrid propulsion system of the kind described in relation to FIG. 1 is provided. 10 The propulsion system is estimated to provide 10 to 15 knots with the wing sails erected before 15 to 25 knot winds, and the solar collection is estimated to deliver an average speed of 4 knots for minimum of 24 hours, using an electric motor driven propeller 407 406. The system could provide speeds up to 25 knots in higher wind speeds, and under power for several hours. The vehicle further includes a 15 guidance system, including a GPS receiver with automatic sequencing, and tracking storage.